



**MAIL STOP PCT**

IFW

Docket No. 289353US3PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Satoru NISHIO, et al.

SERIAL NO: 10/575,479

GAU:

FILED: April 12, 2006

EXAMINER:

FOR: DISK-LIKE TOOL

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
289353US3PCTSERIAL NO.  
10/575,479

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT  
Satoru NISHIO, et al.FILING DATE  
April 12, 2006

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	3 872 763	03-25-75	KAYAHARA, Isao			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	7 33533	06-20-95	JP (with partial English translation)		NO
	AP	6 9765	03-16-94	JP		NO
	AQ	46 21356	06-16-71	JP (with partial English translation)		NO
	AR	196 48 129	05-28-98	DE		NO
	AS	0 640 422	03-01-95	EP		NO
	AT	5 18010	05-13-93	JP (with partial English translation)		NO
	AU	17086414	01-30-92	SU		NO
	AV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	
	AX	
	AY	
	AZ	

☐ Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



U.S. PCT Application Serial No: 10/575,479

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Docket No. 289353US3PCT

### STATEMENT OF RELEVANCY

- 1) References AO-AP have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References            have been cited in the corresponding            Search Report. A copy of these references is being submitted herewith.
- 3) References AQ-AT are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References AA and AU are additional prior art known to Applicant. A copy of these references is being submitted herewith.

AU: Su 1708614

#### Subject of Invention

The circular saw consists of a disk with circular tooth, a hole at its center, and slots uniformly arranged in two concentrically-circular orbits. It is distinctive that for safety's sake, these slots are located in the circularized zone limited to a radius range of 0.6 - 0.8 from the edge of the tooth space. Each of the slots is not larger than 0.2 mm in width and can be made by drilling the disk at a sharp angle with the surface of the disk. Each of the slots on the concentric circle with a small diameter is arranged obliquely with circular symmetry with each of the slots on the one with large diameter. The ratio of the space between each of the slots on the large circle to the one on the small circle is not larger than half.